

Report Date: 10 Mar 2015
Summary Report for Crew Drill Drill Task
Drill Number: 07-4-D9272
Drill Title: Perform Direct Lay of a Mortar
Status: Approved
Status Date: 10 Mar 2015

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the installation/activity name foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Drill Data

Proponent: 07 - Infantry (Collective)

Drill Type: Crew Drill

Approved:

Obsolete:

Restricted Read: No

Route To TMD Reviewer: No

TMD Concurrence:

TMD Comments:

Safety Level: Low

Conditions:

The squad is conducting operations and is ordered to engage a visible target by direct lay. The squad has direct line of sight with the target. The Fire Direction Center (FDC) is not available at this time. The squad leader has given the commands, "SQUAD, DIRECT LAY."

Some iterations of this task should be performed in MOPP 4.

Standards:

The unit leader commands "Unit direct lay" (Target) Troop in the Open, (Direction) 3200 mills (Distance) 1800. The mortar is laid IAW the initial fire command. The mortar is within center of traverse. The mortar is cross-leveled and all bubbles are centered. The vertical crossline on the sightunit is laid on the center of mass of the target.

Drill Statements:

DANGER

None

WARNING

None

CAUTION

None

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. .

Cue: The squad leader initiates drill by giving the order "SQUAD, DIRECT LAY."

Coaching Point: Start out slowly.

TASK STEPS

- * 1. Unit leader commands, "UNIT, DIRECT LAY." (target discription) ((distance).
- 2. Gunner orients the mortar in the general direction of fire, which is identified by the unit leader.
- 3. Gunner places the deflection of 3200 mils on the sight.
- * 4. Unit leader determines and announces the shell and fuze, method of fire, charge, and elevation--for example, "HE quick, one round, charge three, elevation one one nine zero."
- 5. Gunner places the announced elevation on the sight.
- 6. Ammunition bearer prepares ammunition IAW the announced shell and fuze, method of fire, and charge.
- 7. Gunner traverses the mortar, if necessary, within two turns of center of traverse so that the vertical crossline is laid on the center of the target .
- 8. Gunner levels the mortar so that all bubbles are centered and the vertical crossline is laid on the center of mass of the target.
- 9. Gunner announces, "UP."

Note: The gunner may use the turn method on the elevation crank when performing this drill.

(Asterisks indicates a leader performance step.)

TASK MEASURES

1. Unit leader command, "UNIT, DIRECT LAY."
 2. Gunner oriented the mortar in the general direction of fire.
 3. Gunner placed the deflection of 3200 mils on the sight.
 4. Unit leader determined and announced the shell and fuze, method of fire, charge, and elevation
 5. Gunner placed the announced elevation on the sight.
 6. Ammunition bearer prepared ammunition IAW the announced shell and fuze, method of fire, and charge.
 7. Gunner traversed the mortar within two turns of center of traverse.
 8. Gunner leveled the mortar so that all bubbles are centered and the vertical crossline is laid on the center of mass of the target.
 9. Gunner announced, "UP."
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Talk:

a.Orientation: The objective of this squad drill is to provide the squad with basic skills necessary to lay a mortar using direct lay.

b.Safety: The squad leader and members must ensure that the mask and overhead clearance are sufficient.

c.Demonstration: If another squad has successfully performed this drill, have that squad demonstrate it. During the demonstration, explain what is being done and why, using the performance measures as a guide. After the demonstration, summarize the actions performed by the demonstrating squad.

d.Explanation: (1) Refer to the performance measures and explain what the squad leader, gunner, and ammunition bearer is required to do upon hearing the command "SQUAD, DIRECT LAY."
(2) Ensure that the squad leader and squad members know their duties and responsibilities pertaining to each portion of the drill.
(3) Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e.Unit Instructions: a. Resources. Mortar, ammunition, and all other required Table(s) of organization and equipment (TOE) assigned personnel and equipment.

b. Training Site: A mortar firing range or training area with sufficient mask and overhead clearance.

c. Unit Instructions. The squad is conducting fire missions and the squad leader gives the command "SQUAD, DIRECT LAY."

Walk:

1. Refer to the performance measures and have each squad member perform his part slowly at first as the leader talks him through.
 2. NONE.
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Run:

a.Run-Through Instructions: The soldiers should practice this drill until they can perform it according to standard, without using notes. The initial run-through exercise should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

b.Coaching Point: Start out slowly.

c.Performance Instructions: When the soldiers can perform this drill according to the standard, they should be evaluated by the platoon leader or sergeant.

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

Support Personnel

Personnel Type	Description	School	Qty	Remarks
No support personnel specified				

TADSS

Step ID	TADSS ID	Title	Product Type	Qty
	07-13A	Mortar, Pneumatic/ M32	DVC	1
	06-111C	Call For Fire Trainer (CFFT) Configuration 1:30 (Local TADSS – Not in TSMATS)	SIM	1

Supporting Individual Tasks

Step ID	Task ID	Status	Task Title
	071-074-0044	Approved	Supervise a Mortar Squad
	071-11C-0408	Approved	Compute Firing Data for a Manual Direct Lay Mission Using a M32 Lightweight Handheld Mortar Ballistic Computer (LHMBC)
	071-11C-1000	Approved	Fire a Mortar
	071-11C-1001	Approved	Engage Targets with a 60-mm, 81-mm, or 120-mm Mortar Using Direct Lay
	071-11C-1200	Approved	Occupy a Mortar Firing Position by a Section
	071-11C-1207	Approved	Adjust Mortar Fire Using Direct Alignment

Prerequisite Individual Tasks

Step ID	Task ID	Status	Task Title
No prerequisite individual tasks specified			

Supporting Collective Tasks

Step ID	Task ID	Status	Title
	07-3-1360	Approved	Operate a Mortar Platoon by Split Sections(Section-Platoon)
	07-3-3054	Approved	Fire a Mortar Adjust Fire Mission (Section-Platoon)

Prerequisite Collective Tasks

Step ID	Task ID	Status	Title
No prerequisite collective tasks specified			

Supporting Drill Tasks

Step ID	Drill ID	Status	Drill Title
No supporting drill tasks specified			

OPFOR

Task Number	Title	Status
71-0-0014	Disruption	Approved

REFERENCES

Step Number	Reference ID	Reference Name	Required	Primary
	ATTP 3-21.90	Tactical Employment of Mortars	Yes	No
	FM 3-22.90	Mortars	Yes	Yes

Training Setup

A mortar firing range or training area with sufficient mask and overhead clearance.

Training Facilities

Facility ID	Facility Name	Facility Type
No Training Facilities		

DODIC

DODIC	Name	Qty
No DODIC		

Associated Documents

Media ID	Media Type	Title	Subtitle
No Associated Documents			

GLOSSARY TERMS

Glossary Term	Definition
No glossary terms specified	

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
No acronyms/abbreviations specified	